

	1		50
PTP-1B	MEMEKEFEQI DKSGSWAAIY QDIRHEASDF PCRVAKL PKN KNRNRYRDVS		
hTC-ptp	MPTTIEREFEEEL DTQRRWQPLY LEIRNESH DY PHRVAKFPEN RNRNRYRDVS		
	51		100
PTP-1B	PF DHSRIKLH QEDNDYINAS LIKMEEAQRS YILTQG PLPN TCGHFWEMVW		
hTC-ptp	PYDHSRVKLQ NAENDYINAS LVDIEEAQRS YILTQG PLPN TCCHF WLMVW		
	101		150
PTP-1B	EQKSRGVV ML NRVM EKGSLK CAQYWPQKEE KEMIFEDTNL KLTLISED I K		
hTC-ptp	QQKTKAVV ML NRIVEKESVK CAQYWP.TDD QEMLFKETGF SVKLLSE D V K		
	151		200
PTP-1B	SY YTVRQLEL ENLTTQETRE ILHFHYTTWP DFGVPESPAS FLNFLFKVRE		
hTC-ptp	SY YTVHLLQL ENINSGETRT ISHFHYTTWP DFGVPESPAS FLNFLFKVRE		
	201		250
PTP-1B	SGSL SPEHGP VVVHCSAGIG RSGTFCLADT CLLLMDKRKD PSSVDIKKVL		
hTC-ptp	SGSLNPDHGP AVIHCSAGIG RSGTFSLVDT CLVLMEKGDD... INIKQVL		
	251		298
PTP-1B	LEM RKFRMGL IQTADQLRFS YLAVIEGAKF IMG DSSVQDQ WKELSHED		
hTC-ptp	LNMRKYRMGL IQTPDQLRFS YMAIIEGAKC IKGDSSIQR WKELSKED		

FIGURE 1

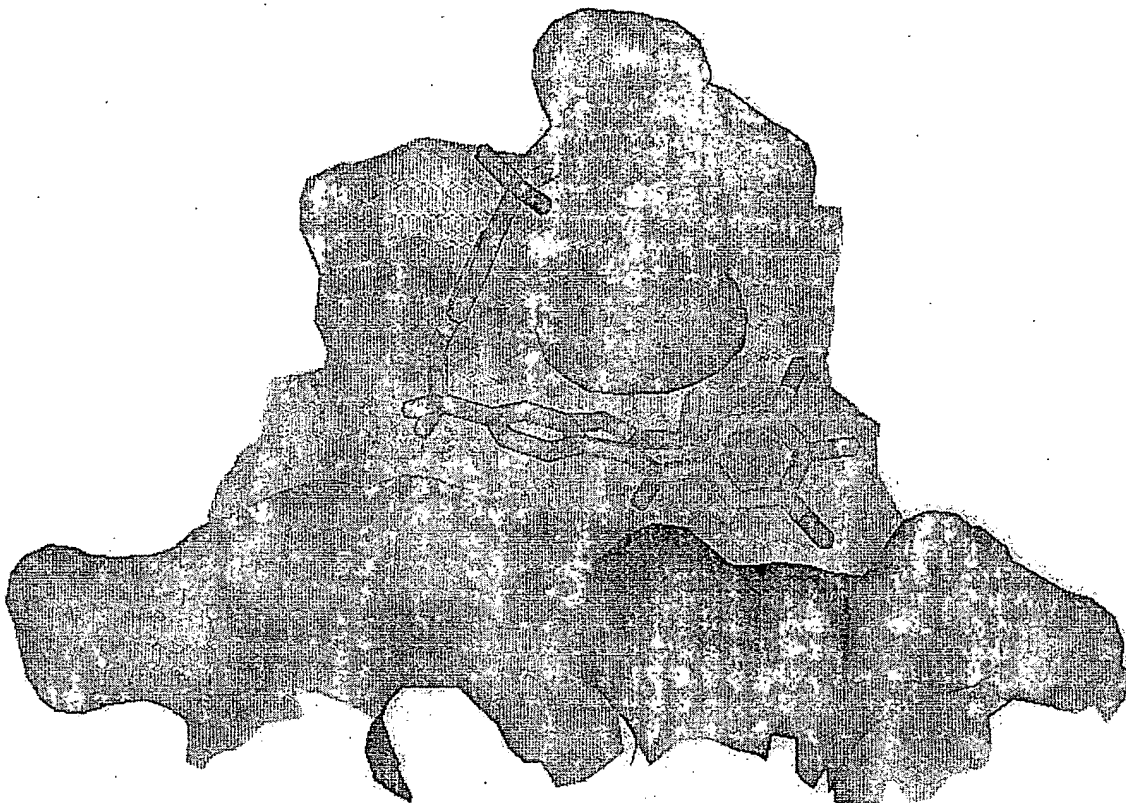


FIGURE 2

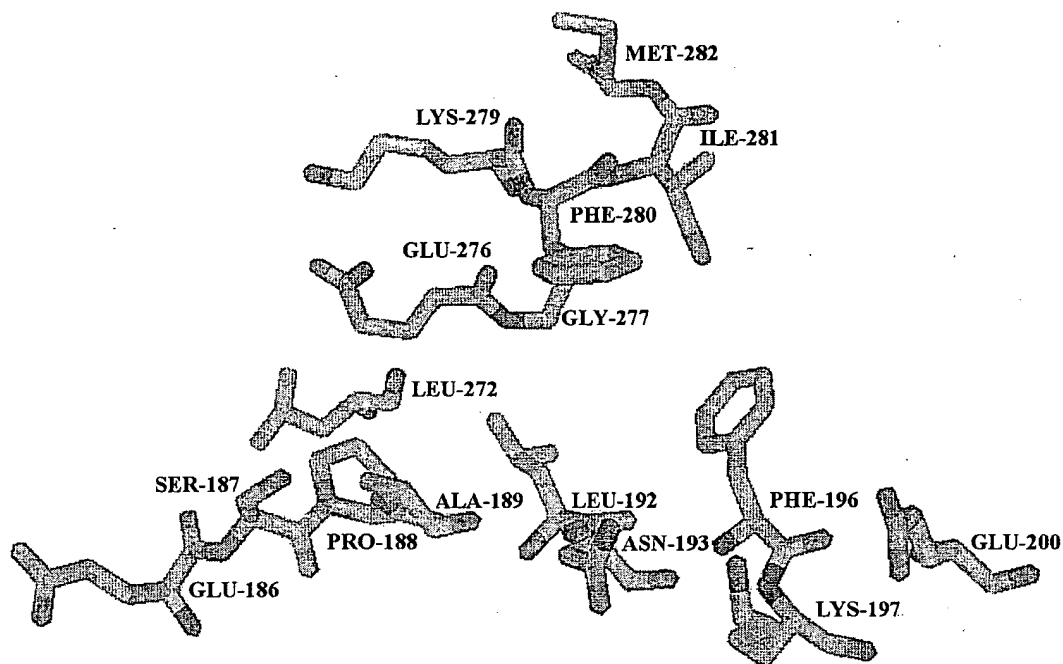


FIGURE 3

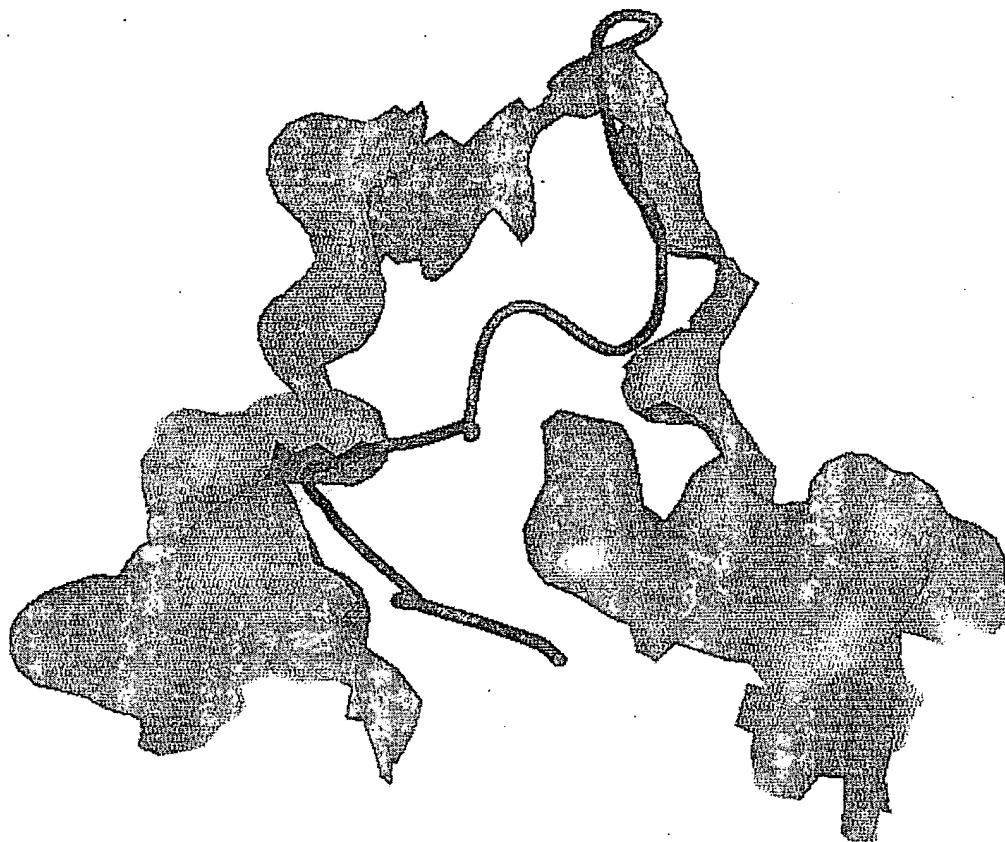


FIGURE 4

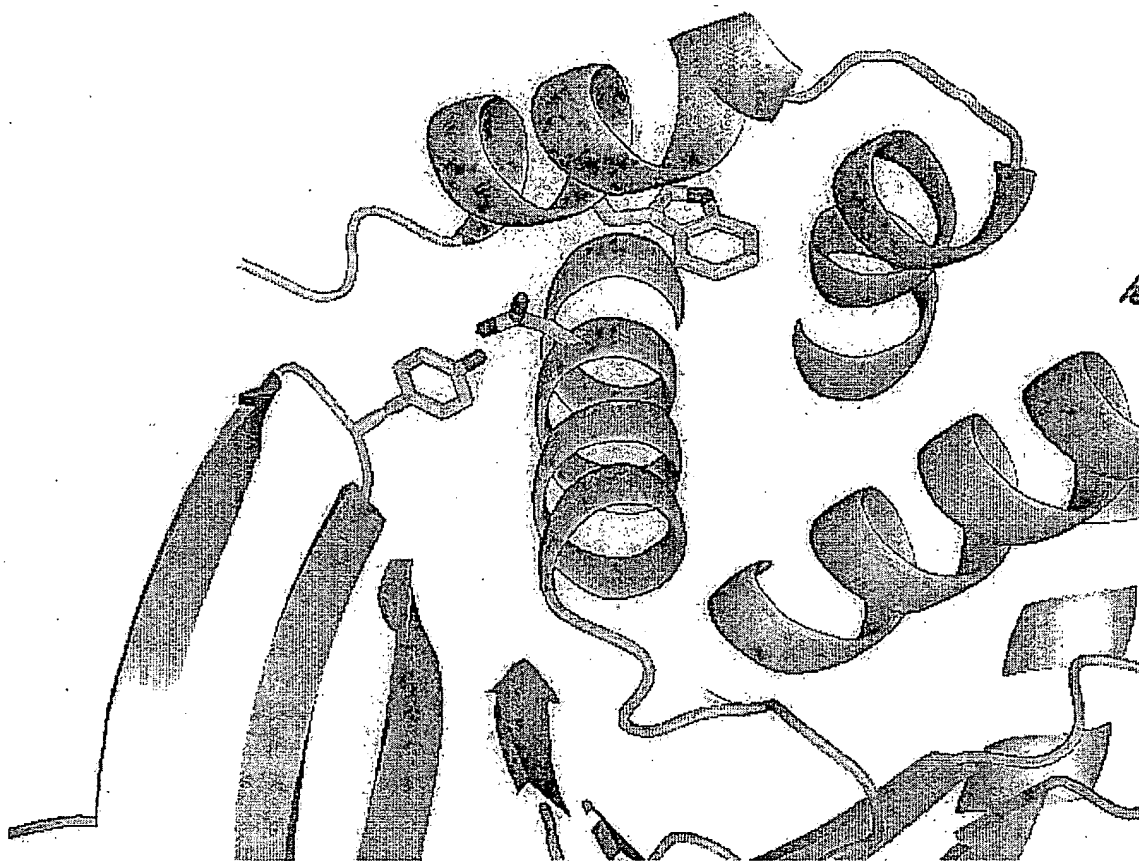


FIGURE 5

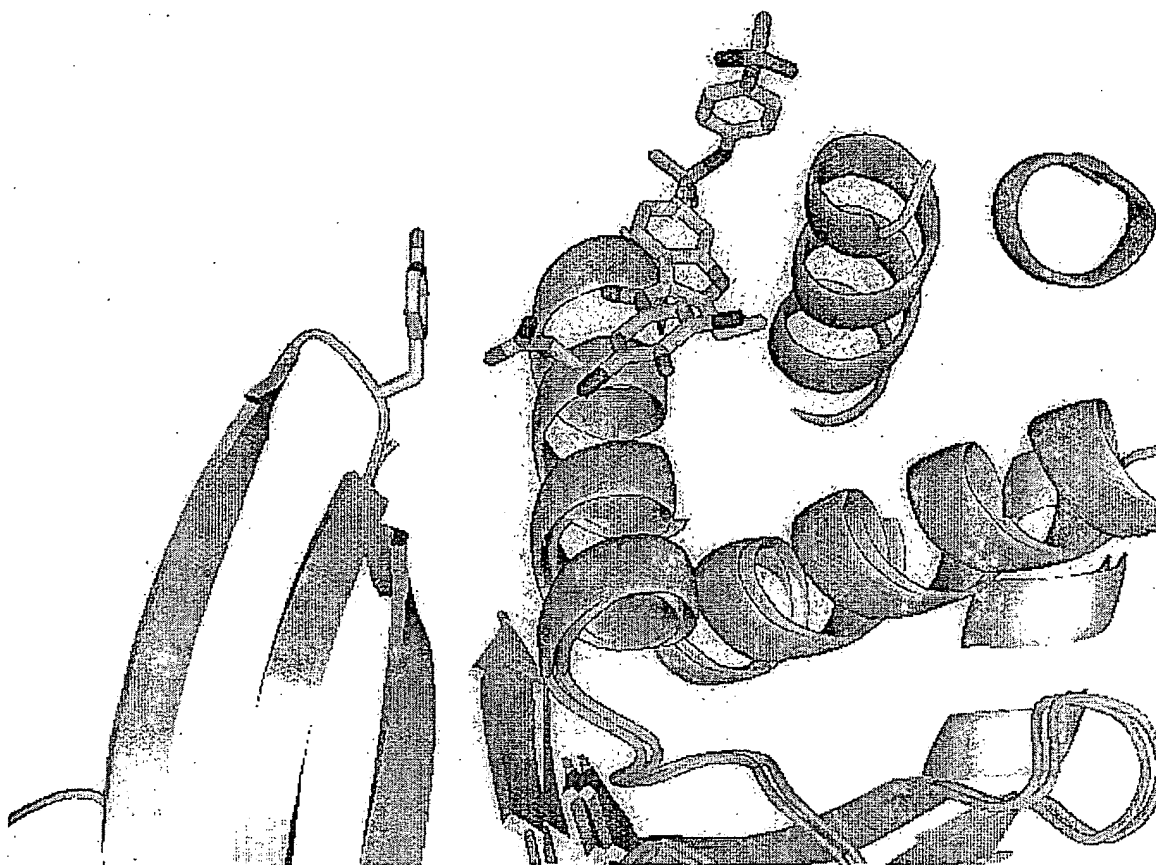
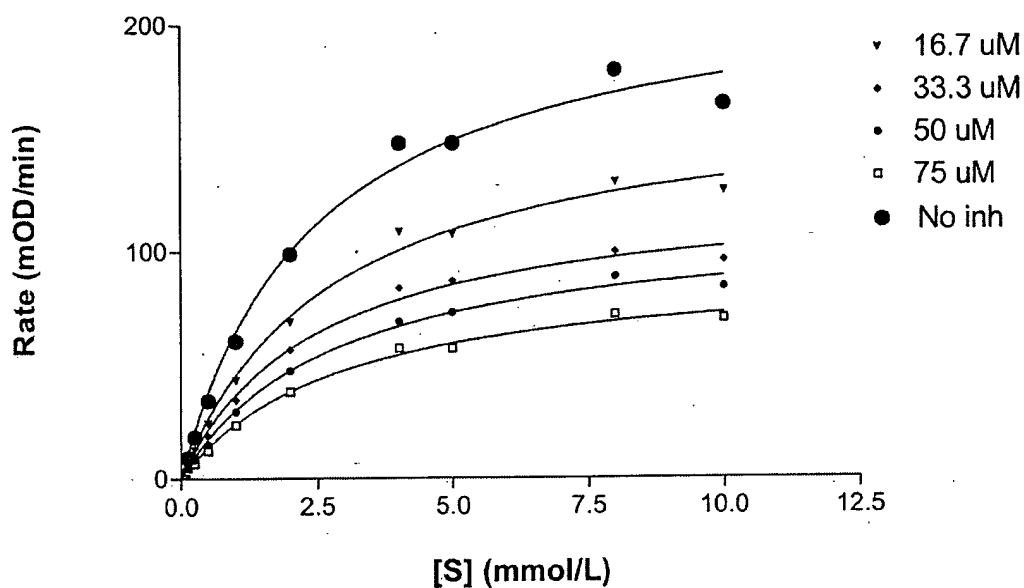


FIGURE 6

	1		50
PTP-1B	..MEMEKEFEQI DK.SGSWAAIY QDIRHEASDF PCRVAKLPKN KNRNRYRDVS		
LAR	PITDLADNIERL KANDGLKFSQE YESIDPGQQF TWENSNLEVN KPNRYANVI		
	51		100
PTP-1B	PFDHSRIKLH QED....NDYINAS LIKMEEAQRS YILTQGPLPN TCGHFWEMVW		
LAR	AYDHSRVILT SIDGVPGSDYINAN YIDGYRKQNA YIATQGPLE TMGDFWRMVW		
	101		150
PTP-1B	EQKSRGVVML NRVMKGSCLK CAQYWPQKEE KEMIFEDTNL KLTLLISEDIK		
LAR	EQRTATVVMM TRLEEKSRVK CDQYWPARG. ...TETCGLI QVTLLDTVEL		
	151		200
PTP-1B	SYTTRQLEL ENLTTQETRE ILHFHYTTWP DFGVPESPAS FLNFLFKVRE		
LAR	ATYTVRTFAL HKSGSSEKRE LRQFQMAWP DHGVPEYPTP ILAFLRRVKA		
	201		250
PTP-1B	SGSLSPHGP VVVHCSAGIG RSGTFCLADT CLLLMDKRKD PSSVDIKKVL		
LAR	CN. PLDAGP MVVHCSAGVG RTGCFIVID. ..AMLERMKH EKTVDIYGHV		
	251		298
PTP-1B	LEMRRFRMGL IQTADQLRFS YLAVIEGAKF IMGDSSVQDQ WKELSHED		
LAR	TCMRSQRNYM VQTEDQYVFI HEALLEAATC GHTEVPARNL YAHIQKLG		

FIGURE 7



	No inh	16.7 uM	33.3 uM	50 uM	75 uM
VMAX	221.4	169.1	126.9	113.7	94.28
KM	2.436	2.731	2.444	2.780	2.924

FIGURE 8

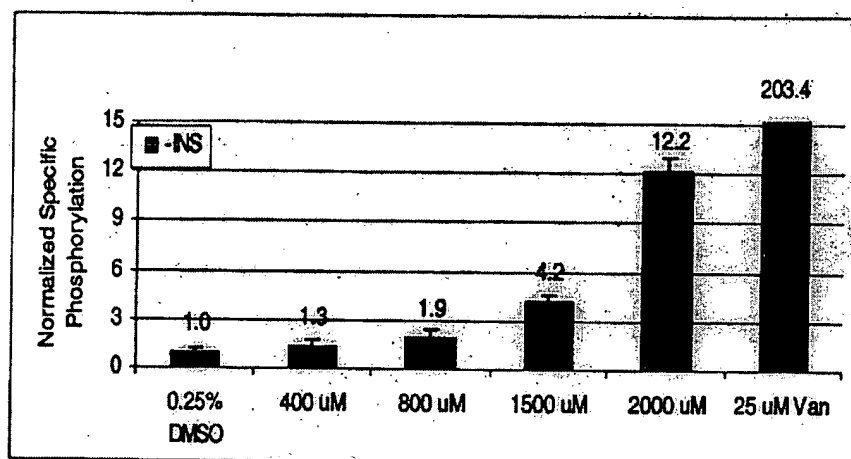


FIGURE 9

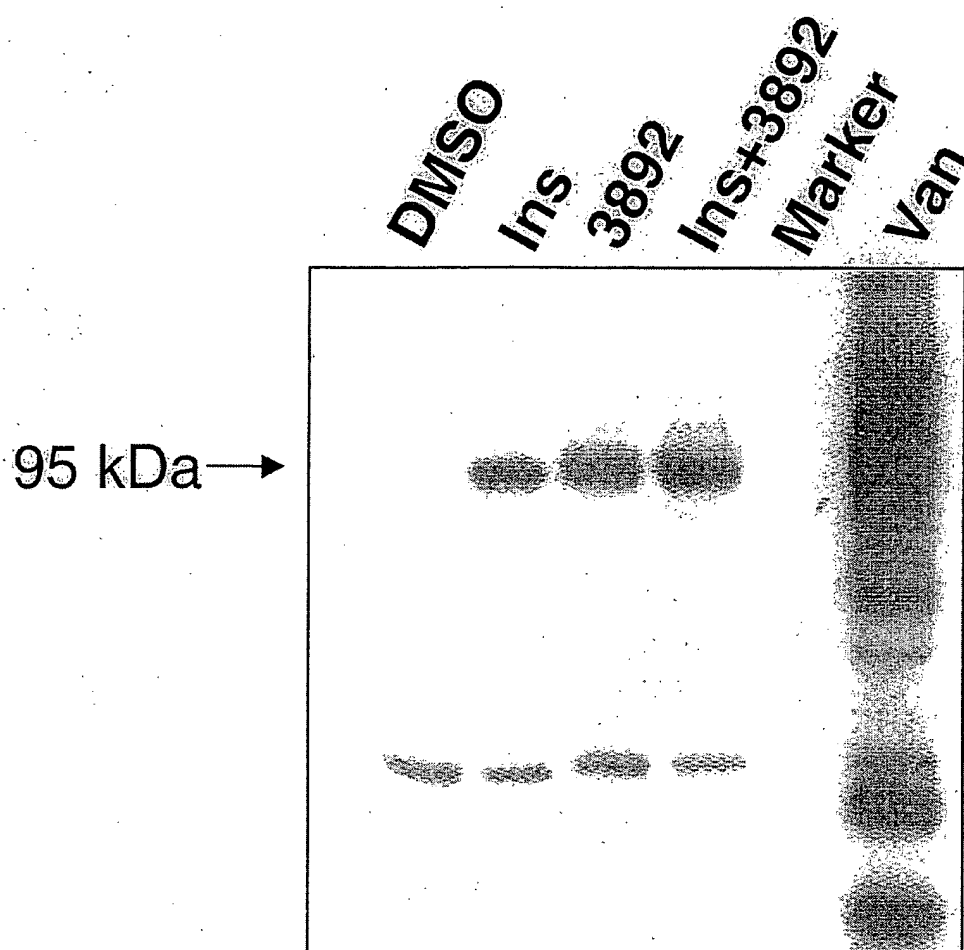


FIGURE 10